

Please add new claims 46-54.

46. (New) A method for identifying a compound that modulates the activity of NIP45, comprising
providing a indicator composition comprising NIP45 activity;
contacting the indicator composition with a test compound; and
determining the effect of the test compound on NIP45 activity in the indicator composition to thereby identify a compound that modulates the activity of NIP45.

47. (New) The method of claim 46, wherein the indicator composition comprises an indicator cell, wherein said indicator cell comprises NIP45 and a reporter gene responsive to NIP45.

15 48. (New) The method of claim ¹⁴47, wherein the indicator cell is a lymphoid cell.

17 49. (New) The method of claim ¹⁵48, wherein the lymphoid cell is a Th2 cell.

16 50. (New) The method of claim ¹⁴47, wherein the indicator cell is a yeast cell.

51. (New) A method for identifying a compound that modulates an immune response, comprising
providing a indicator composition comprising NIP45 activity;
contacting the indicator composition with a library of test compounds;
selecting from the library of test compounds a compound of interest that modulates the activity of NIP45; and
determining the effect of the compound of interest on an immune response to thereby identify a compound that modulates an immune response.

52. (New) The method of claim 51, wherein the effect of the compound of interest on an immune response is determined by determining the effect of the compound on expression of a Th2-associated cytokine gene.

53. (New) The method of claim 52, wherein the Th2-associated cytokine gene is an interleukin-4 gene.

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54. (New) The method of claim 51, wherein the effect of the compound of interest on an immune response is determined by determining the effect of the compound on development of T helper type 1 (Th1) or T helper type 2 (Th2) cells.

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